

JENSEN *Catalog of high fidelity loudspeaker products*





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FIVE
YEAR
WARRANTY

Each JENSEN High Fidelity product is warranted to be free from defect in materials and workmanship under normal use and service, to the original purchaser for a period of 5 years from date of purchase. Your assurance of JENSEN quality.

Prices and specifications are those in effect at the time of publication.
We reserve the right to make changes at any time without prior notice.

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*T.M.

Printed in U.S.A.



the largest group of Audio Engineers, with over 150 years combined experience, have developed the most complete selection of high fidelity sound reproduction systems and loudspeakers. The knowledge gained in designing speakers for nuclear submarines, jet planes, the world's finest electronic musical instruments, sound systems, theaters, auditoriums, and hundreds of other applications is applied in our laboratories to furnish you with the finest in hi-fi sound reproduction. No matter what your budget may be, there is a JENSEN speaker for you at your hi-fi dealer.

See the spectacular 600-XL 4-speaker, 4-way sound reproduction system. Read about this finest of all "bookshelf" reproducers on page 5 and then listen to its silken smooth response.

The PR Series, of which the PR-400 Custom Console System with a 15" FLEXAIR® woofer, page 6, is the pacesetter, has been augmented by the PR-200, page 8, a 12" 3-speaker, 3-way system and the PR-300, page 7, a 12" 3-speaker, 3-way loudspeaker system with detached base for low or high-boy placement or bookshelf use. These systems all use MH-400 Aspheric SONO-DOME® midrange and E-100 SONO-DOME® ultra-tweeter transducers to bring you smooth lifelike listening pleasure to 20,000 cycles. A new audio design for the PR-150A, page 9, adds high efficiency to this popular 12" 2-speaker, 2-way system. And the PR-50A, also on page 9, is our latest model of the first full-range high fidelity speaker system to be fully contained in an enclosure of only 1/2 cubic foot.

New highs in efficiency are also achieved in the TF-3A, page 11, and X-11A, page 12. Hear the clear, clean sound reproduction from these outstanding reproducers, now even more natural sounding.

JENSEN Model BF-1280, page 14, is a genuine walnut veneer hardwood cabinet designed especially to complement JENSEN SIGMA™ and DELTA™ high fidelity unitary loudspeakers of 8" and 12" sizes.

A significant development from our Engineering Laboratories is JENSEN Model HS-2 Stereo Headphones, page 13, offering unusually smooth full range undistorted output. The unique design preserves undistorted bass response without a sensation of pressure.

Listen to your favorite music reproduced by quality JENSEN sound systems and unitary speakers at your favorite local hi-fi dealer. Large or small, simple or complex, select JENSEN, the finest value in sound reproducers.

JENSEN MANUFACTURING DIVISION/THE MUTER COMPANY

Hubert J. Rowe

HERBERT J. ROWE
Chief Executive Officer

WHAT IS THE RIGHT LOUDSPEAKER FOR YOU?

The right loudspeaker for you is the one that fits in best with your overall plan for a hi-fi music system. Consider the degree of fidelity you seek, the place and space you can devote to speaker equipment and, importantly, the budget. If you have hi-fi now, there is the question of how best to convert to stereo. If you are just beginning in hi-fi you will need to decide whether to start with a simple mono system or go to stereo right away.

IF YOU ARE STARTING IN HIGH FIDELITY . . .

As millions of music lovers have discovered, component high fidelity (in which you choose the parts of the hi-fi system to meet your needs and preferences in contrast to buying a mass produced phonograph) not only will give you better sound for the money, but you can be *creative* about the way hi-fi fits into your living scheme, tailor your system to meet your ideas of space, design and layout . . . and this is *fun* and a satisfaction in addition to the enjoyment of listening to superb music.

Should you go to stereo right away? It depends on your objectives and your budget. If your aims are high and the budget not stressed, by all means make your start in hi-fi with a stereo system. Another possibility is to provide for stereo with stereo phono pickup and stereo amplifier and buy

We'll outline some of the things to consider in making these decisions as well as offer suggestions as to the type of speaker, system or kit that may be best for your particular application.

Your Jensen dealer can be helpful in reaching a final decision; if more information is needed, the Jensen Technical Service Department will be glad to consult with you without cost or obligation.

one speaker of the type and quality you'd like to end up with, playing your records monophonically until you can add the second speaker. Let us stress the point that you should at least *plan* for stereo if the added dimensions of breadth and perspective in sound appeal to you at all. Stereo is a step forward in hi-fi which we believe you will want to have.

In any event, don't deny yourself the pleasures of hi-fi music. If in doubt, buy monophonic components according to your budget and enjoy hi-fi listening while you are deciding what to do about stereo. You can trade in your system, use it elsewhere in the home, or convert to stereo if your ideas expand. In the meantime you'll have many priceless hours of pleasurable enjoyment.

IF YOU HAVE HI-FI . . . WISH TO ADD STEREO

Stereo requires two reproducing systems, one of which handles the left, the other the right channels. A stereo record pickup or tape player, plus an amplifier with two channels, feed two speakers spaced a few feet apart. The present owner of a hi-fi system can change his record pickup or tape equipment to the stereo type, add a second amplifier (or, better yet, replace with a two-channel unit), and, with a second speaker, have stereo.

What should your add-on speaker be? There are two parts to the answer. (1) *any* speaker you add for the second channel will give a stereophonic effect; (2) for *best* stereo the added speaker should cover approximately the same frequency range and should sound similar. It is not essential that the two speaker channels be identical so long as both speakers produce sound of *comparable quality*. Let us specifically consider what can be done in the case of various original system speakers.

Very Large Multiway Systems. Many living rooms will not yield the space for a duplicate speaker, even if the budget is willing. But approximately the same frequency range, nearly the same (or even lower) bass frequency limits can be attained today with systems in much smaller enclosures.

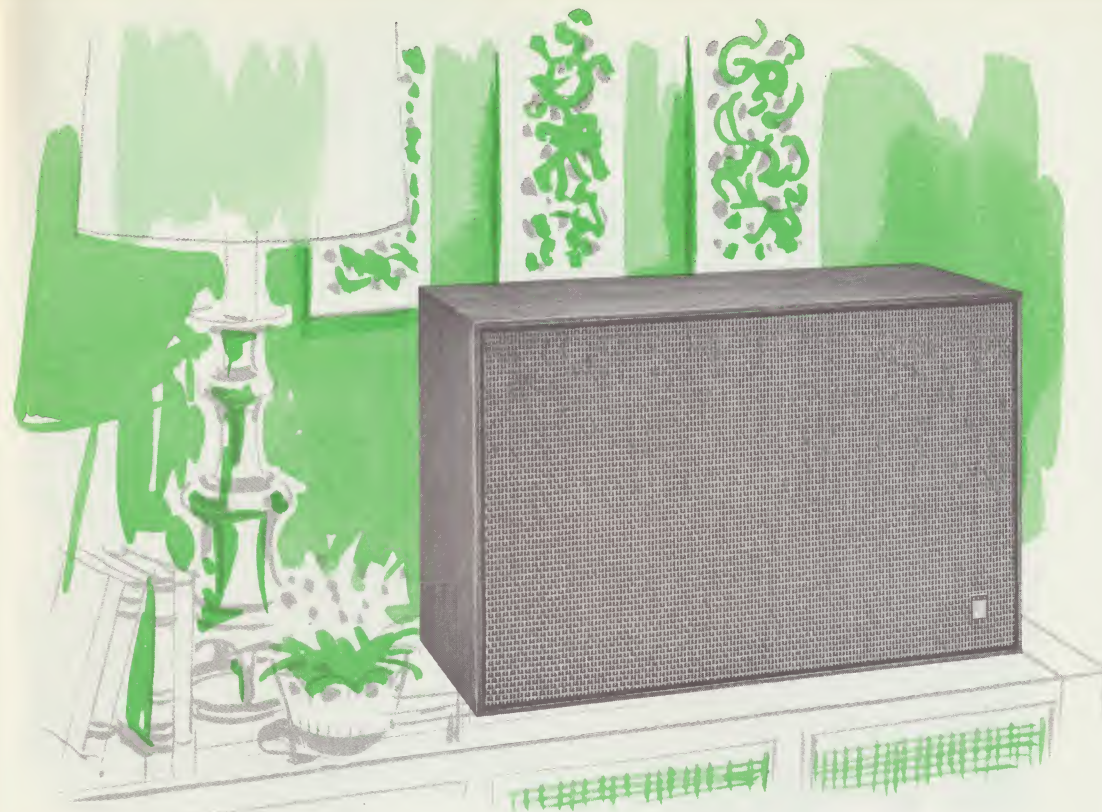
Systems in Smaller Enclosures. If you now have a single "bookshelf" size speaker system, add a second to make a stereo pair. If you wish to up-

grade your system and acquire a pair of new speakers, your dealer may be able to arrange a trade-in; or you can use your original speaker for a mono system in another room. Many systems are offered completely assembled but in unfinished wood, an opportunity for cost saving. If you care to make your own cabinetry, a selection of speaker component kits is available.

Built-in System. If your present monophonic hi-fi system is built into a music wall, or otherwise integrated into your room, your problem is to install another speaker 6 to 8 feet or more to the side of your present speaker and facing in the general direction of the listening area. There may be a storage or shelf area which can house the added speaker. A unitary speaker or a kit commensurate with the available space and quality of your present speaker are possibilities. Space can often be found for a "bookshelf" size unit such as the 600-XL, PR-200 or TF-3A. Wall hanging can be an attractive solution with model PF/2. Where space permits, the PR-300 or PR-400 are excellent larger systems.

ABOUT POWER RATINGS

Power rating means the program level under which there exists no danger of damage and no significant distortion. Higher rated amplifiers may be used if adjusted for reasonable listening level. Amplifiers rated as little as 10 watts per stereo channel are usually adequate for quiet living room listening.



600-XL

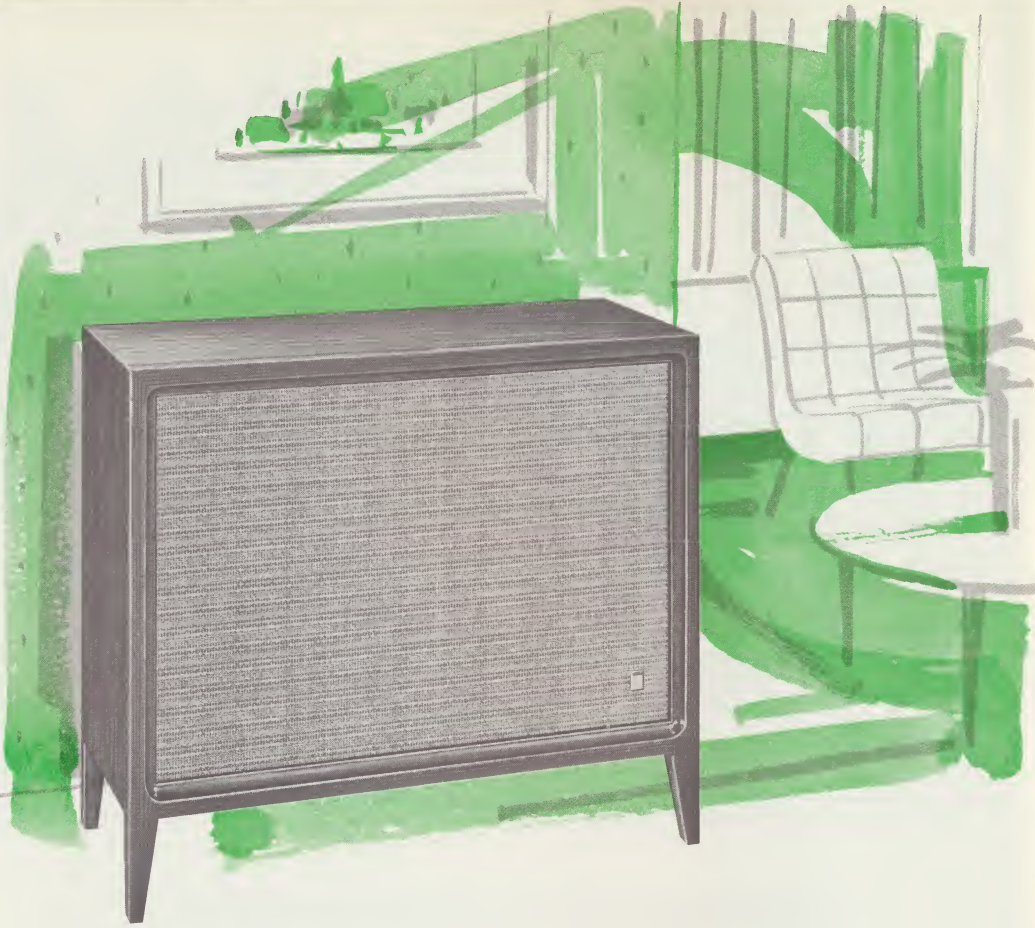
**4-way
super-bookshelf
loudspeaker
system**

\$269.50

The model 600-XL is the finest bookshelf loudspeaker system anywhere. A full 12" half-roll FLEXAIR® woofer with a 3½ lb. Alnico-5 magnet, a super-tweeter, ultra-tweeter and a horn-loaded midrange make up this "super" bookshelf. The cabinet is finished in genuine oiled walnut veneer and construction is ¾" throughout for ruggedness and ultimate acoustical performance. The complementary grille fabric of richly tailored rattan with its perimeter shadow line creates an interesting floating baffle effect. Here is unequalled performance and enviable styling in a bookshelf reproducer.

S P E C I F I C A T I O N S

Components: 12" FLEXAIR® woofer, horn-loaded PD-500 midrange, RP-302A super-tweeter, E-100 SONO-DOME® ultra-tweeter. **Frequency Range:** 20-20,000 cps. **Crossover:** 600, 4000 and 10,000 cps. **Power Rating:** 40 watts. **Impedance:** 8 ohms. **Controls:** M-F and H-F balance (on rear). **Dimensions:** 16¼" H.; 25½" W.; 11¼" D. **Shipping Weight:** 59 lbs.



PR-400

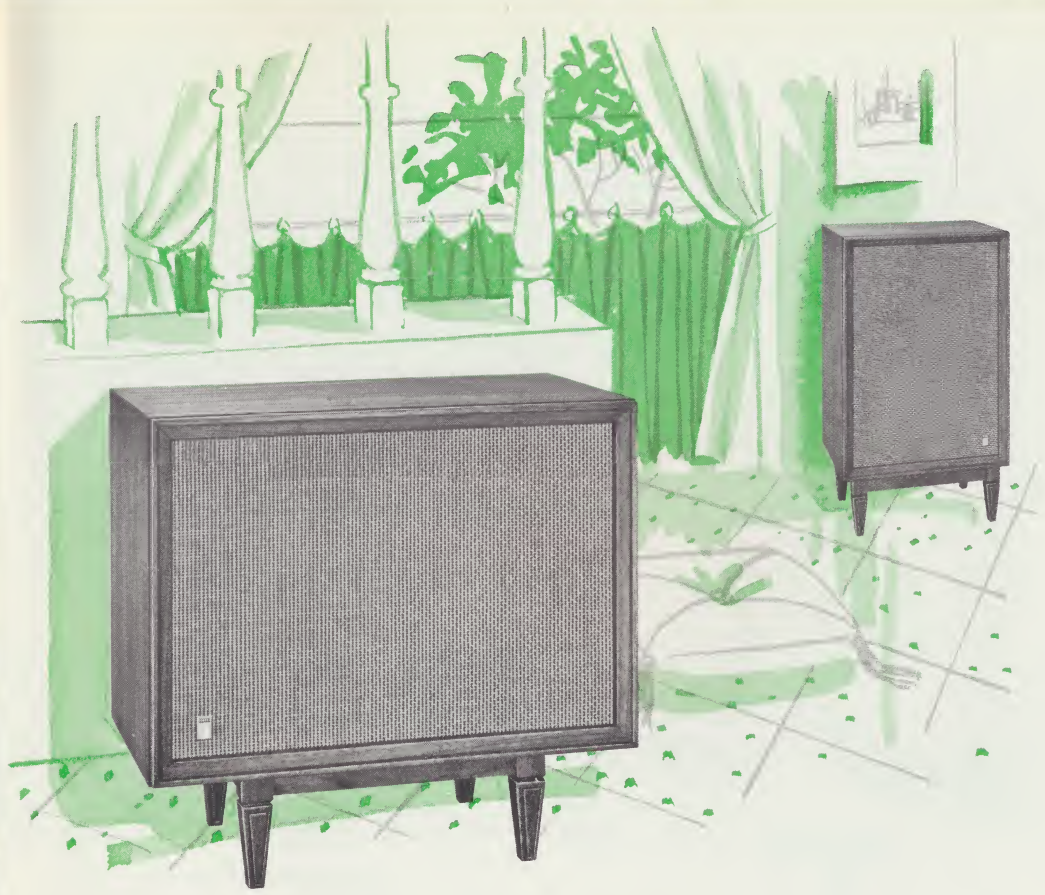
3-way
custom console
loudspeaker
system

\$315.50

Here is perfectionist's performance and efficiency in a beautifully designed console enclosure. This is a 15" three-way system with response that is flat, true and wide. Just a few watts of amplifier power is all that's needed to make an impression on the listener even in a large room. This superlative system is featured in a 5 cubic-foot enclosure made of selected hand-rubbed genuine walnut panels. The textured grille fabric has to be seen to be appreciated. If you're looking for perfection in performance and styling, you've found it in the PR-400.

S P E C I F I C A T I O N S

Components: 15" FLEXAIR® woofer, MH-400 Aspheric SONO-DOME® midrange, and E-100 SONO-DOME® ultra-tweeter. **Frequency Range:** 20-20,000 cps. **Crossover:** 1,000 and 5,000 cps. **Power Rating:** 40 watts. **Impedance:** 8 ohms. **Controls:** M-F and H-F balance (on rear). **Dimensions:** 29½" H.; 34" W.; 14¼" D. **Shipping Weight:** 89 lbs.



PR-300

3-way
hi-boy/low-boy
loudspeaker
system

\$225.50

Versatile is the word for this fine loudspeaker. Equipped with an accompanying floor base done in authentic Mediterranean styling, it can be placed in a horizontal or vertical position. Inside is a big 12" FLEXAIR® woofer, an MH-400 SONO-DOME® midrange and the E-100 ultra-tweeter. It is handsomely crafted and solidly constructed of ¾" walnut veneer. The rattan grille fabric, woven in subtle tones enhances the cabinet. The PR-300 is a styling achievement and an unmatched performer.

S P E C I F I C A T I O N S

Components: 12" FLEXAIR® woofer, MH-400 midrange, E-100 SONO-DOME® ultra-tweeter. **Frequency Range:** 20-20,000 cps. **Crossover:** 1,000 and 5,000 cps. **Power Rating:** 35 watts. **Impedance:** 8 ohms. **Controls:** M-F and H-F balance (on rear). **Dimensions:** 18¼" H.; 25½" W.; 14¼" D. **Shipping Weight:** 65 lbs.

PR-200

3-way
bookshelf
loudspeaker
system

\$179.50

A "big" bookshelf loudspeaker system, the PR-200 employs a 12" FLEXAIR® woofer, MH-400 Aspheric SONO-DOME® midrange and E-100 ultra-tweeter. Controls on the rear of the cabinet allow for adjustment of both the mid-frequencies and high frequencies. The cabinet is walnut veneer hardwood with an oil finish. The contemporary wrap-around grille fabric of textured rattan complements this finely styled cabinet. The PR-200 is a true high fidelity system in a handsome acoustically engineered cabinet.

S P E C I F I C A T I O N S

Components: 12" FLEXAIR® woofer, MH-400 SONO-DOME® midrange, and E-100 ultra-tweeter. **Frequency Range:** 25-20,000 cps. **Crossover:** 1,000 and 5,000 cps. **Power Rating:** 35 watts. **Impedance:** 8 ohms. **Controls:** M-F and H-F balance (on rear). **Dimensions:** 14" H.; 25" W.; 10 1/4" D. **Shipping Weight:** 43 1/2 lbs.

PR-150A

12" 2-way system

walnut \$149.50

unfinished 129.50

A new and dramatically improved PR-150A reproducer utilizing the exclusive 12" FLEXAIR® sub-sonic woofer with a massive magnet structure and the MH-400 Aspheric SONO-DOME® mid-range/VHF unit. You are assured of smooth and clear sound reproduction from 25 to 20,000 cycles. The PR-150A is offered in oiled walnut and unfinished gum hardwood enclosures of heavy construction for optimum acoustical results. Decor complementing textured rattan grille fabric.

S P E C I F I C A T I O N S

Components: 12" FLEXAIR® woofer and MH-400 Aspheric SONO-DOME® mid/VHF unit. **Frequency Range:** 25-20,000 cps. **Crossover:** 2,000 cps. **Power Rating:** 35 watts. **Impedance:** 8 ohms. **Controls:** H-F balance (on rear). **Dimensions:** 14" H.; 25" W.; 11 1/4" D. **Shipping Weight:** 46 1/2 lbs.

PR-50A

2-way system

\$69.50

The new and improved PR-50A is a full-range high fidelity speaker system contained in a 1/2 cubic foot enclosure. An amazing new small woofer with heavy SYNTAX-6® magnet in a special cast housing developed by Jensen hits a solid 40 cycle note with no reduction in sound level. The E-100 SONO-DOME® ultra-tweeter is remarkably smooth to beyond 20,000 cycles. The handsome oiled walnut enclosure and attractive grille fabric make a truly beautiful system . . . the performance is amazing!

S P E C I F I C A T I O N S

Components: Special 5 1/4" FLEXAIR® woofer in cast housing and E-100 SONO-DOME® ultra-tweeter. **Frequency Range:** 40-20,000 cps. **Crossover:** 2,000 cps. **Power Rating:** 20 watts. **Impedance:** 8 ohms. **Controls:** H-F balance (on rear). **Dimensions:** 9 3/4" H.; 18 1/2" W.; 7 3/4" D. **Shipping Weight:** 17 1/2 lbs.



TF-4

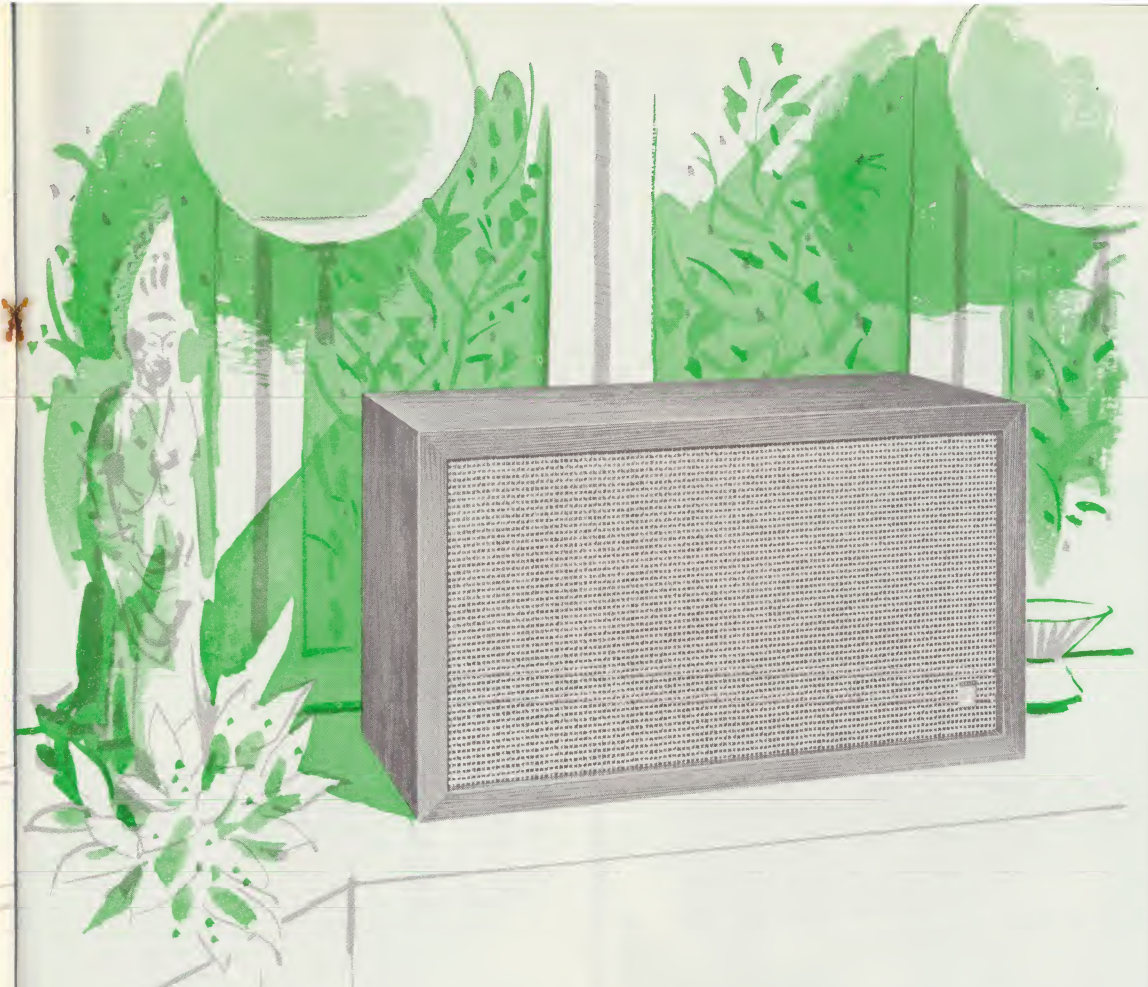
5-speaker
4-way
slender shelf
loudspeaker
system

walnut \$135.50
unfinished 114.50

The TF-4 high fidelity loudspeaker system combines a full-size but slender format with remarkable sound quality. The cabinet is genuine walnut veneer in oil finish, or unfinished gum hardwood. The grille fabric is textured rattan. Sound comes from an expert blending of a high-compliance, FLEXAIR® woofer, an 8" midrange, two tweeter units, and a SONO-DOME® ultra-tweeter for smooth frequency extension beyond audibility . . . just the right combination for the superb loudspeaker system for your home.

S P E C I F I C A T I O N S

Components: 10" FLEXAIR® high-compliance woofer with heavy SYNTAX-6® magnet, 8" midrange, 2-3½" tweeters and E-10 SONO-DOME® ultra-tweeter. **Frequency Range:** 25-20,000 cps. **Crossover:** 600, 4,000 and 9,000 cps. **Power Rating:** 25 watts. **Impedance:** 8 ohms. **Control:** H-F balance (on back). **Dimensions:** 16" H.; 25½" W.; 8¾" D. **Shipping Weight:** 38 lbs.



TF-3A

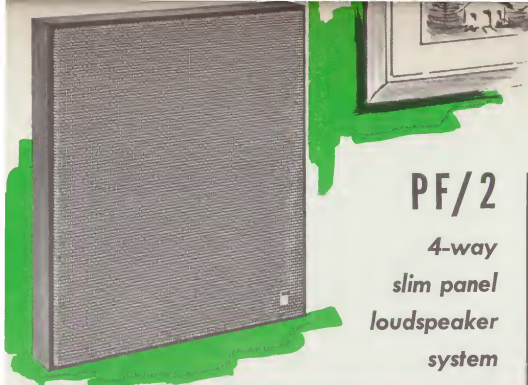
4-speaker
3-way
shelf
loudspeaker
system

walnut \$115.50
unfinished 99.50

The TF-3A is a new and improved shelf system. Engineering improvements result in greater efficiency and improved quality of performance. The Jensen FLEXAIR® woofer was specially designed for the TF-3A to give low distortion response down to 25 cycles in the BASS-SUPERFLEX® enclosure. Two special midrange units are delightfully smooth and free from coloration. The high end is extended cleanly to extreme limits by the SONO-DOME® ultra-tweeter. Your choice of oiled walnut or unfinished gum hardwood cabinetry.

S P E C I F I C A T I O N S

Components: 10" special woofer with 1½ lb. SYNTAX-6® magnet, two special 3½" midrange units and SONO-DOME® ultra-tweeter. **Frequency Range:** 25-20,000 cps. **Crossover:** 2000 and 10,000 cps. **Power Rating:** 25 watts. **Impedance:** 8 ohms. **Control:** H-F balance (on rear). **Dimensions:** 13½" H.; 23¾" W.; 11¾" D. **Shipping Weight:** 40 lbs.



PF/2

4-way
slim panel
loudspeaker
system

\$169.50

The remarkable PF/2 stands far above other thin systems in quality and performance for one major reason: its speaker components were *engineered* for thin system operation. The unique "W" shaped POLYFORM™ woofer was created to solve the problem of achieving long excursion and solid bass response in a thin enclosure. This highly efficient 5-speaker 4-way system gives superior fidelity with complete flexibility of placement . . . on the wall, floor or shelf . . . and beautiful styling in the genuine oil finish walnut veneer cabinet only 3⁵/₈" thin.

S P E C I F I C A T I O N S

Components: 10" POLYFORM woofer, 8" midrange, two 3¹/₂" tweeters, and SONO-DOME® ultra-tweeter. **Frequency Range:** 30-20,000 cps. **Crossover:** 600, 4,000 and 10,000 cps. **Power Rating:** 25 watts. **Impedance:** 8 ohms. **Control:** H-F balance (on rear). **Dimensions:** 26¹/₈" H.; 22¹/₄" W.; 3⁵/₈" D. **Shipping Weight:** 41 lbs.



X-11A

2-way
ultra-compact

\$35.50

The new Jensen X-11A speaker system is ideal for extension speaker application. Full room volume with amplifiers of low power rating. H-F response to 14,000 cycles. Adjustable volume control. Built-in hangers for easy wall mounting. Oiled walnut cabinet with subtle textured grille fabric.

S P E C I F I C A T I O N S

Impedance: 8 ohms. May be used with amplifiers having 4, 8 or 16 ohms output. **Control:** Volume control on side. **Power Rating:** 6 watts. **Dimensions:** 6³/₈" H.; 13¹/₁₆" W.; 4" D. **Shipping Weight:** 7 lbs.



X-20

2-way
slim
compact

\$49.95

Sound quality and placement flexibility are only two of the features of this slim compact system. Three speakers—a woofer and two tweeters—for wide range sound. The two-tone harmonizing grille fabric blends nicely with the walnut veneer cabinet in oil finish. Built-in hangers for easy wall mounting.

S P E C I F I C A T I O N S

Impedance: 8 ohms. May be used with amplifiers having 4, 8 or 16 ohm output. **Control:** Volume control on side. **Power Rating:** 6 watts. **Dimensions:** 12¹/₄" H.; 15³/₈" W.; 2³/₈" D. **Shipping Weight:** 10¹/₂ lbs.



HS-2

Stereo
Headphones

Smooth full range, undistorted output and accurate stereo balance are the earmarks of the HS-2 stereo headphones. Rugged and durable, with soft polyurethane cushions, for comfortable listening. These headphones bring a new dimension to stereo headphone listening.

HS-2 Headphones \$24.95

S P E C I F I C A T I O N S

Drivers: High-compliance, moisture resistant diaphragm. **Frequency Range:** Below 20 to 17,000 cycles per second. **Power Requirements:** Comfortable listening with 1 milliwatt; loud listening with 10 milliwatts. **Impedance:** 4-ohms each channel (may be connected to 4-, 8- or 16-ohm amplifier outputs). **Terminals:** Standard 3-conductor headphone plug. **Cord:** 8' long. **Net Wt.:** 16 oz. **Shpg. Wt.:** 2 lbs.

HS-1

Stereo Headphones

You'll find added pleasure in stereo and mono hi-fi when you listen through Jensen HS-1 professional headphones. Special damping eliminates boom, smooths H-F response, prevents hangover distortion, protects against overload. Play them as loud as you wish . . . response is true, unmarred by rattles or breakup.

HS-1 Stereo Headphones . . . \$31.50

HS-1L With 4 spade lug terminals 29.50



S P E C I F I C A T I O N S

Drivers: High-compliance, curvilinear, moisture resistant diaphragm. **Frequency Range:** 20-15,000 cps. **Power Requirements:** Comfortable listening: 1 milliwatt; loud listening: 10 milliwatts. **Impedance:** 8 ohms each channel (may be connected to 4-, 8-, or 16-ohm amplifier outputs). **Plug:** Standard 3-conductor headphone plug. **Cord:** 8' long. **Net Weight:** 16 oz. **Shipping Weight:** 2¹/₄ lbs.

HEADPHONE ACCESSORIES

SPACE-PERSPECTIVE™. CONTROL CENTER †



†licensed by CBS Laboratories Div.,
Columbia Broadcasting System, Inc.

Complete control center for headphone listening. Controls for volume and channel balance, mono or stereo, left or right channels, speaker on-off, etc. Oiled walnut case 14¹/₈" H., 11³/₄" W., 3" D. Two phone jacks.

CC-1 Headphone Control Center (Shpg. Wt. 3¹/₂ lbs.) **\$52.00**

Provides full SPACE-PERSPECTIVE cross-feed characteristics for stereo headphones. Amplifier and 'phone terminals. 2³/₈" H., 4" W., 5¹/₈" D.

CFN-1 Cross-Feed Network† Simplified SPACE-PERSPECTIVE network without controls. (Shpg. Wt. 1¹/₄ lbs.) **\$24.75**

M-1648 Accessory Jack Panel can be used with HS-1 and HS-2 Stereo Headphones. **\$4.95**



BF-1280

enclosure
for JENSEN
unitary
loudspeakers

\$69.95

The BF-1280 is especially designed for Jensen's 8" and 12" unitary high fidelity loudspeakers, including the SIGMA™ and DELTA™ series. This is a genuine walnut veneer hard-wood cabinet of rugged $\frac{3}{4}$ " construction for optimum acoustic performance. Finished in oiled walnut, with the ever popular woven rattan grille fabric, the cabinet measures $16\frac{1}{4}$ " H., $25\frac{1}{2}$ " W., and $10\frac{1}{2}$ " D. Instructions describe how to cut the vent tube included for the best bass response.

JENSEN
DELTA™
SERIES

The Delta series represents 3 outstanding low-cost—high value 12" and 8" unitary loudspeakers of superior performance. One-piece die-cast housing, exclusive Jensen FLEXAIR® suspension for longer excursion, better bass, linearity is greater for low distortion and truly a quality engineered product at a price unbelievably low. The Delta series means high efficiency in unitary loudspeakers.

DL-120

dual-cone
12-inch
FLEXAIR®

High-performance, low-cost, 12-inch dual-cone loudspeaker similar to DL-220 at left, but without compression H-F unit. FLEXAIR® specially treated cone suspension for highest compliance; edge-folds have been calculated for lowest distortion. Precision-wound heavy-duty voice coil; powerful SYNTOX-6® magnet. Frequency response, 40-15,000 cps. Impedance 8 ohms; 20 watts. $5\frac{7}{16}$ " deep. Shipping Weight, 8 lbs. 8 oz.

DL-120.....\$24.50

DL-80

dual-cone
8-inch
FLEXAIR®

A quality 8-inch loudspeaker for economy-minded enthusiasts who demand Jensen quality. The DL-80 has all of the major features of the 12" DELTA™ speakers: FLEXAIR® suspension, die-cast housing and SYNTOX-6® magnetic structure. The DL-80 also offers the convenience and extra economy of an 8-inch design. Overall frequency response, 50-15,000 cps. Impedance 8 ohms; 20 watts. $3\frac{7}{16}$ " deep. Shipping Weight, 3 lbs. 8 oz.

DL-80.....\$16.75

JENSEN
DELTA™
SERIES

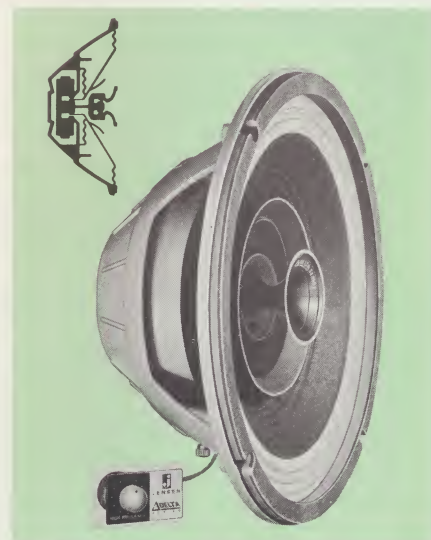
LOW COST 8" and 12" SUPERIOR
PERFORMANCE LOUDSPEAKERS

DL-220

3-element
12" FLEXAIR®
coaxial

Bass response to below 25 cycles, plus ultra-smooth highs out to the limit of hearing! All of this, plus superior Jensen engineering and construction, is yours at low cost in the DL-220. Compression H-F unit has omni-directional horn for wide-angle stereo; balance control on 30" cable. Midrange secondary radiator. Resonance, 25 cps; response, 25-17,000 cps. Impedance, 8 ohms; 20 watts. $5\frac{7}{16}$ " deep. Shipping Weight, 10 lbs.

DL-220.....\$39.95



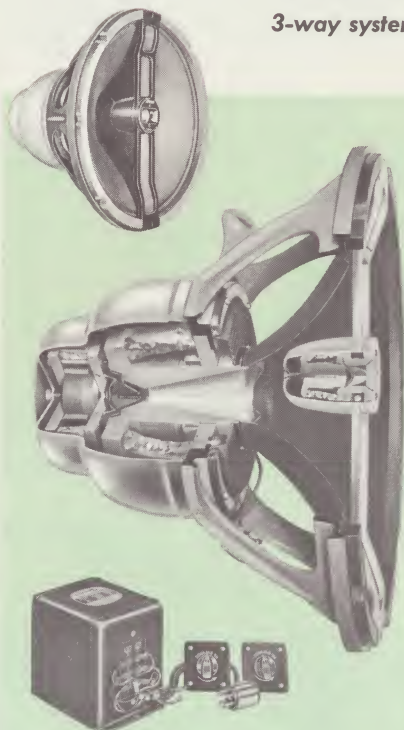
TRIAXIAL® and TRIAX® 15" 3-WAY SYSTEMS

The famous Jensen G-610B and G-600 are genuine 3-way systems . . . the only 15" speakers made with three electrically and acoustically independent L-F, M-F and H-F radiating and driving systems. These superb 15" speakers represent the ultimate in balance, efficiency, smoothness and tonal purity. They have no equal.

G-610B

TRIAXIAL®

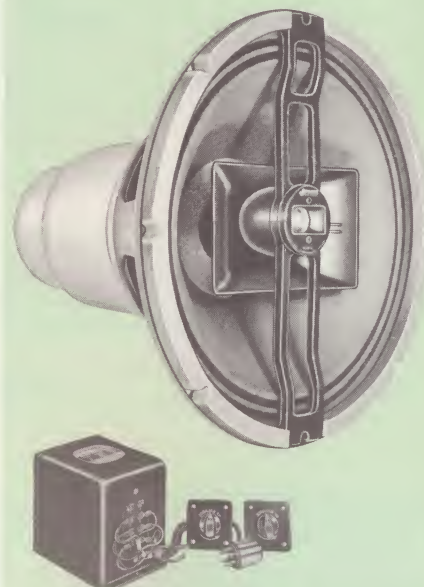
3-way system



G-600

TRIAX®

3-way system



Unquestionably the world's finest unitary loudspeaker. A precision combination of a 15" woofer with powerful 6½ lb. Alnico-5 magnet for bass notes to below 25 cycles; low 600 cycle crossover to a thru-bore compression midchannel horn (whose final section is the entire woofer cone); and compression-driver super-tweeter for response from 4,000 cps to beyond audibility. Heavy cast frame. Separate dual crossover network provided with individual M-F and H-F controls. Impedance 16 ohms. Power rating 40 watts program, 80 watts peak. Shpg. Wt., 46 lbs.

G-610B \$330.00

True 3-way performance at moderate cost is yours with the G-600 TRIAX®. Lows from below 30 cycles to 900 cycles are handled by the 15" edge-damped woofer with heavy duty 3½ lb. Alnico-5 magnet; compression-driver horn-loaded thru-bore midchannel for 900-4,000 cycle range; and compression horn phase-balanced super-tweeter for frequency extension beyond 20,000 cycles. Separate dual crossover network, M-F and H-F balance controls. Impedance 16 ohms. 35 watts program, 70 watts peak. Shipping Weight 33 lbs.

G-600 \$175.00

TRIAX® and TRIAXIAL® are registered trademarks of Jensen Manufacturing Division, The Muter Co. and not descriptive words, and any use by others in reference in any way or form to loudspeakers is a violation of our trademark rights.



The Jensen Sigma Series of high fidelity loudspeakers offers a comprehensive range of five 12" and three 8" models to suit most every unitary application. This brilliant Series of loudspeakers embodies every advance in acoustic design . . . every wanted feature of convenience . . . performance . . . high reliability. The versatile BF-1280 cabinet is an ideal enclosure for housing both Sigma and Delta loudspeakers.

DIE-CAST HOUSINGS

Attractively styled precision die-cast alloy housings form the structural frame of every SIGMA Series loudspeaker. Moving-system clearances are held to thousandths of an inch—exactly and permanently; rigid support for heavier magnetic structures.

JENSEN FLEXAIR® DESIGN

Exclusive FLEXAIR® suspension system in most SIGMA models! This Jensen-developed construction feature holds the speaker cone in place with perfect accuracy, yet permits extreme flexibility. Deep, powerful bass response, plus lower distortion than ever before.

POWERFUL MAGNETS

High-energy SYNTAX-6® magnets form the heart of every SIGMA loudspeaker! These magnets are carefully built into critically accurate assemblies. Completed structures are painstakingly designed to "focus" magnetic energy precisely at the voice coil.

EXCEPTIONAL VERSATILITY

In smaller enclosures, SIGMA Series loudspeakers far outperform ordinary units, thanks to low-resonance, high-compliance design. Used in larger cabinets, SIGMA models consistently provide wider frequency range and lower distortion.

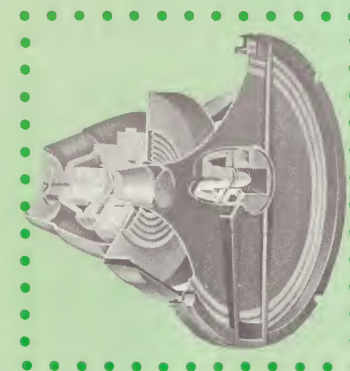
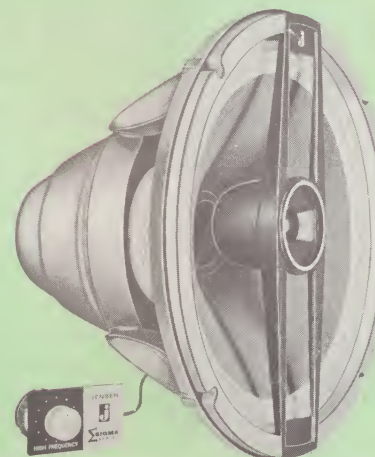
SG-300

TRIAX®

12" 3-way system

Jensen's newest exclusive . . . a true 3-way 12" unitary hi-fi speaker. The FLEXAIR® woofer and SYNTAX-6® magnet structure produce rock-bottom bass to 25 cycles. A low-distortion compression midrange uses the woofer cone as its horn mouth. The cast support bar contains a new horn-loaded compression super-tweeter which delivers response well past 20 kc. H-F balance control. Resonance 20 cycles. Power capacity 40 watts program, 80 watts peak. Impedance 8 ohms. Shpg. Wt., 15 lbs.

SG-300 \$109.50

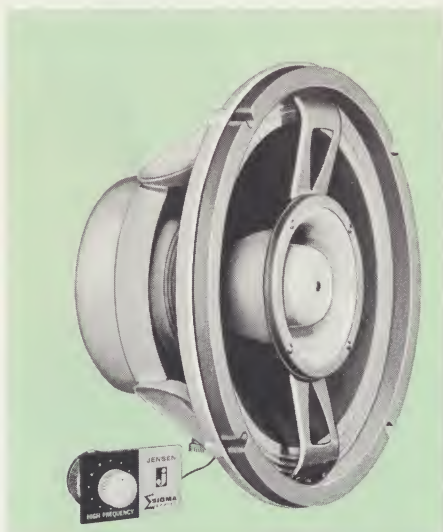


JENSEN

Σ SIGMA^{T.M.} SERIES

12-INCH COAXIAL LOUDSPEAKERS

Jensen Sigma Series 12-inch coaxial loudspeakers represent the latest in engineering, design and performance . . . features unmatched by any other line of unitary high fidelity loudspeakers.

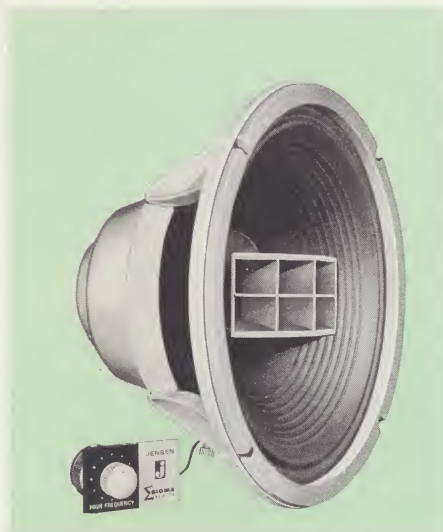


SG-223

reflex
horn coaxial

Jensen's finest coaxial . . . a true 2-way speaker with our unique horn-loaded reflex tweeter and high-compliance low-resonance FLEXAIR® woofer. Electrical crossover at 2,000 cycles for low distortion and near-perfect tonal balance. Resonant frequency 25 cps. Heavy 1¾ lb. SYNTOX-6® woofer magnet. Frequency range 20 to 20,000 cycles. Resonance 25 cps. Handles 30 watts program, 60 watts peak. Impedance 8 ohms. H-F balance control. Shipping Wt. 15 lbs.

SG-223 \$84.50

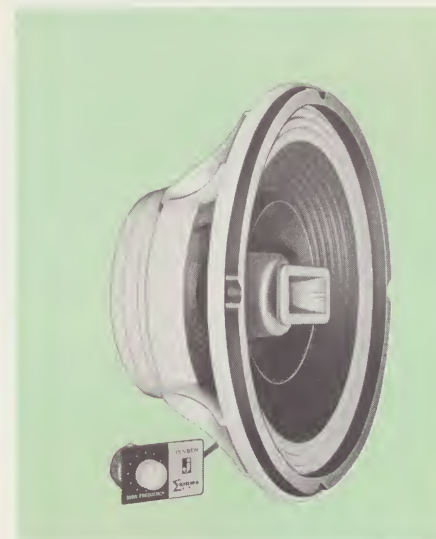


SG-222

multicell
horn coaxial

The newest version of Jensen's famous "222", with high energy 1¾ lb. SYNTOX-6® woofer magnet. Thru-bore compression-driver tweeter horn, terminating in a six-cell cluster for outstanding clarity, permits highly desirable low crossover of 2,000 cycles. H-F control provided on 30" cable. Frequency response is 30 to 20,000 cycles per second. Power rating 25 watts program, 50 watts peak. Resonance 50 cycles. Impedance 8 ohms. Shipping Weight, 14 lbs.

SG-222 \$76.50

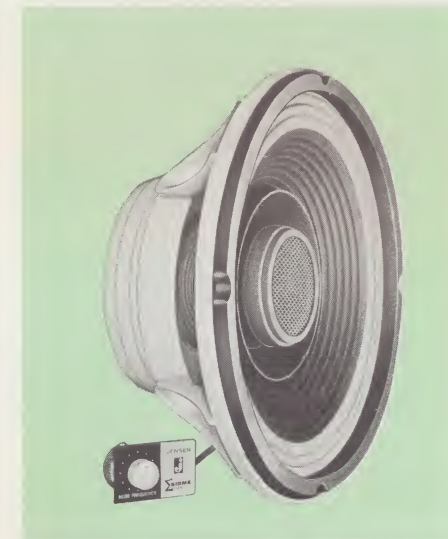


SG-220

3-element
FLEXAIR® coaxial

This superb coaxial speaker features a compression-driver horn-loaded supertweeter for wide-angle dispersion, a mechanically coupled midrange radiator and FLEXAIR® woofer. Electrical crossover at 4,000 cycles. Full frequency range of 20 to 18,000 cycles is realistically reproduced. H-F balance control. Powerful 1 lb. SYNTOX-6® woofer magnet. Resonance 40 cycles. Power capacity 20 watts program, 40 watts peak. Impedance 8 ohms. Shipping Weight 12 lbs.

SG-220 \$57.50

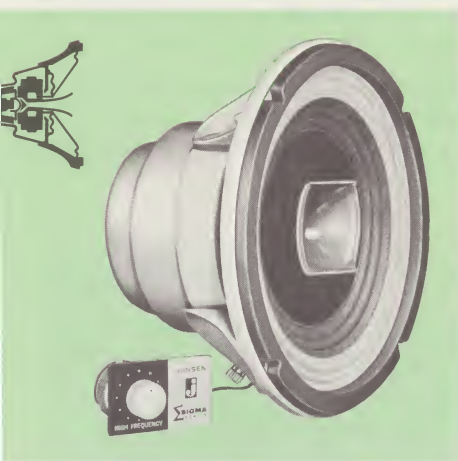


SG-210

3-element
FLEXAIR® coaxial

An outstanding value in an advanced design coaxial speaker. FLEXAIR® woofer provides excellent bass response. High energy 1 lb. SYNTOX-6® woofer magnet. Has separate curvilinear-radiator tweeter plus mechanically coupled midrange element. Electrical crossover at 2,000 cps. Frequency range 20 to 16,000 cycles. H-F control on 30" cable. Resonant frequency 40 cycles. Power rating 20 watts program, 40 watts peak. Impedance 8 ohms. Shipping Weight 12 lbs.

SG-210 \$47.50



SG-88

compression tweeter
FLEXAIR® coaxial

This outstanding coaxial is another exclusive Jensen design. It provides for the first time a low crossover (2,000 cps) thru-bore compression tweeter in a high-compliance 8" unit. Using a FLEXAIR® woofer, the SG-88 gives exceptionally well balanced response from 35 to 20,000 cycles. High energy 1 lb. SYNTAX-6® magnet. Resonant frequency 60 cycles. H-F balance control is provided on 30" cable. Power rating 20 watts program, 40 watts peak. Impedance 8 ohms. Shipping Weight 7 lbs.

SG-88.....\$46.75

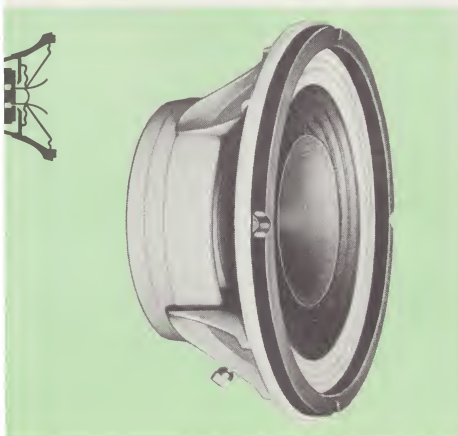


SG-84

FLEXAIR® coaxial

A top quality 8" speaker of true coaxial design! The high-compliance FLEXAIR® woofer (with 5/8 lb. SYNTAX-6® magnet) and electrically-independent curvilinear radiator tweeter provide full-range response from 40 to 16,000 cycles with smooth, balanced realism. Complete with H-F balance control. Resonant frequency 50 cps. Space-saving 3 5/8" depth. Electrical crossover 2,000 cps. Power rating 12 watts program, 24 watts peak. Impedance 8 ohms. Shipping Weight 5 lbs.

SG-84.....\$32.50



SG-80

dual-cone FLEXAIR®

The perfect speaker for applications where low cost and high-performance are essential. FLEXAIR® woofer gives extended natural bass response all the way down to 40 cycles. Concentrically mounted auxiliary cone provides highs of startling clarity to 15,000 cycles. Shallow 3 5/8" depth. Resonant frequency 50 cps. Heavy duty 5/8 lb. SYNTAX-6® woofer magnet. Power handling capacity 12 watts program, 24 watts peak. Impedance 8 ohms. Shipping Weight 5 lbs.

SG-80.....\$21.75

8-INCH UNITARY DUAL-CONE AND COAXIAL SPEAKERS



Hi-Fi Speaker Components

WOOFERS		TWEETERS	
P15-LF C12-NF	P12-RL P8-RL	RP-103B SUPER-TWEETER	P35-VAH SONO-DOME® ULTRA-TWEETER
P8-UM P8-RM	NETWORKS		CONTROLS
		A-61 A-640	A-204 A-402 ST-946 ST-947

WOOFERS

P15-LF 15" FLEXAIR® WOOFER. Resonance 16 cycles. Range 16-2000 cycles in **BASS-SUPERFLEX®** enclosure. Power 40 watts, Impedance 16 ohms. 3 1/2" lb. DP-Alnico-5 magnet. Shipping Weight, 18 lbs. **\$83.50**

C12-NF 12" FLEXAIR® WOOFER. For 20-2000 cycles in **BASS-SUPERFLEX®**. Resonance 20 cycles. Power 30 watts; 16 ohms; has new SYNTAX-6® magnet. Shipping Weight, **\$44.75** 10 lbs.

P12-RL Woofer. Power 20 watts. 40-2500 cps. Imp., 16 ohms. Magnet 1/2 lb. DP-Alnico-5. Size: 12 1/4" OD; 6 1/4" D; Cutout 10 1/2" diameter. Shipping Weight, 6 lbs. **\$15.00**

P8-RL Woofer. Power 20 watts. 50-3000 cps. Imp., 8 ohms. Magnet 1/2 lb. DP-Alnico-5. Size: 8 1/2" OD; 4" D; Cutout 6 1/4" diameter. Shipping Weight, 3 lbs. **\$10.50**

MIDRANGE UNITS

P8-RM 8" M-F Unit. Heavy duty direct-radiator unit with enclosing back cover. For upper-bass range or midrange in 3-way and 4-way systems. Range 200-4000 cycles. Power rating with network 40 watts, Impedance 16 ohms. 1/2 lb. DP-Alnico-5 magnet. Size: 8 1/2" OD x 5" deep. Baffle cutout 6 1/4" diameter. Shipping Weight, 4 lbs. **\$14.50**

P8-UM 8" M-F Unit. Low cost m-f unit, direct radiator type for 600-4000 cycle range. Closed housing prevents backside radiation. Power 30 watts, Impedance 16 ohms. 8 1/2" OD, 4 1/2" depth. **\$9.00** Baffle cutout 6 1/4". Shipping Weight, 3 lbs.

TWEETERS

RP-103B H-F Unit. Compression-driver horn-loaded tweeter for use above 2000 cycles in 2-way and 3-way systems to 20,000 cps. Power 30 watts to network, 16 ohms. Depth 6 1/4", baffle cutout 2" x 6". Shipping Weight, 3 lbs. **\$19.95**

P35-VAH Tweeter. Direct radiator type. Power 15 watts. 2000-16,000 cps. Impedance 16 ohms. Size: 3 1/2" H & W; 2 1/2" D. Cutout 3 1/2" dia. Shipping Weight, 1/2 lb. **\$5.95**

TRANSFORMER

Z-3422 Autotransformer. For matching any 2 of 16/8/4 ohm impedances. Power rating 25 watts. **\$8.95**

SUPER-TWEETER

RP-302A Ultra H-F Unit. Latest and finest Jensen super-tweeter. Compression-driver horn-loaded unit for highest range to upper hearing limit in 3-way and 4-way systems. Power 40 watts to network. Impedance 16 ohms. 2 1/4" OD x 3 3/4" deep. Complete with 4 1/2" diameter metal mounting plate. Baffle cutout 4" diameter. Shipping Weight, 2 1/2 lbs. **\$39.95**

SONO-DOME® ULTRA-TWEETER

E10 H-F Unit. New plastic dome radiator for smooth, uniform reproduction of the extreme h-f range from 10,000 cps to beyond limits of hearing. Use with 4-16 ohm speakers and systems of up to 30 watts power rating for improved performance. Built-in crossover. Impedance 16 ohms. Mounts from back of baffle in 3 1/2" cutout. 4 1/4" OD; 2" deep. Shipping Weight, 1 1/4 lbs. **\$24.95**

NETWORKS

A-61 Crossover Network. 600 cycle crossover to m-f range in 3-way and 4-way systems to 40 watts. Impedance 16 ohms. Screw terminals. Shipping Weight, 6 lbs. **\$26.00**

A-402 Crossover Network. 4000 cycle crossover to highest channel in 3-way or 4-way systems to 40 watts. Impedance 16 ohms. Screw terminals. Shipping Weight, 2 1/2 lbs. **\$15.00**

A-204 Crossover Network. Two-channel type. High-pass section transmits everything above 2000 cycles, low-pass, everything below this frequency. 180° constant-resistance type, 4 1/2" high, 3 1/2" wide, 3 1/4" deep. Shipping Weight, 2 1/2 lbs. **\$16.00**

A-640 Crossover Network. Deluxe network for 3-way systems to 40 watts. Crossover frequencies 600 and 4000 cycles. Impedance 16 ohms. Screw terminals. Shipping Weight, 7 lbs. **\$39.50**

CONTROLS

ST-946 H-F Balance Control. Wire-wound, Bakelite knob and 2 1/2" square escutcheon. For tweeter control in 2-way systems to 30 watts. Impedance 16 ohms. Shipping Weight, 1/2 lb. **\$4.20**

ST-947 M-F/H-F Balance Control. 2-deck wire-wound L-pad. Bakelite knob and 2 1/2" square escutcheon. For tweeter or m-f unit level adjustment in 2-, 3- and 4-way systems to 40 watts. Impedance 16 ohms. Shipping Weight, 1/2 lb. **\$5.75**



Speakers and System Kits

HIGH FIDELITY EXTENDED RANGE LOUDSPEAKERS

Jensen High Fidelity Extended Range loudspeakers offer a maximum of high fidelity reproduction at a minimum of cost. This series of dual-cone direct radiator loudspeakers provides a wide range of sizes from 5" to 12". You will find a Jensen High Fidelity Extended Range loudspeaker excellent as a minimum low-budget "starter" to which you can add additional units when a more elaborate system is planned.

- New improved Jensen SYNTAX-6® magnets for higher efficiency and sensitivity.
- Attractive covers over the magnetic structures except on 5" and 6" sizes.
- Supplementary apex radiating elements for improved response smoothness and range extending to beyond 15,000 cycles.
- Attractive light beige finish.
- Nominal voice coil impedance of 8 ohms.

Nominal Size	Model No.	Frequency Range, Cps	Magnet Wt., Oz.	Max. Depth	Power, Watts	Shipping Wt., Lbs.	Each
12"	C12-RX	40-15,000	10.0	4 1/2"	14.0	5 1/2	\$17.55
12"	C12-SX	40-15,000	6.0	4 1/2"	13.0	5	16.50
10"	C10-SX	45-15,000	6.0	4"	12.0	4	15.30
8"	C8-RX	50-15,000	10.0	3 3/4"	12.0	3	15.45
8"	C8-SX	50-15,000	6.0	3 3/4"	11.0	3	14.40
6"	C6-TX	60-15,000	5.4	2 1/2"	7.5	1 3/4	8.75
5"	C5-TX	70-15,000	5.4	2"	6.0	1 1/2	8.00

3-WAY LOUDSPEAKER SYSTEM KITS

KTF-3A

3-way
speaker
kit

For TF-3A performance in your own cabinetry or custom build-in, the KTF-3A Kit provides all the necessary speaker components to complete the job. Kit includes C10-PF high-compliance long-travel FLEXAIR® woofer; 2 special midrange units; SONO-DOME® Ultra-Tweeter; M-F/H-F balance control; crossover network; wiring cable; enclosure vent-tube and full instructions for enclosure construction. Impedance 8 ohms. Power Rating 25 watts. Shipping Weight, 12 1/2 lbs.

KTF-3A Speaker Kit.....\$69.50

KT-33

3-way
speaker
kit with
12" Flexair®
woofer

If you want outstanding performance and would like to make the enclosure or custom build-in yourself, the KT-33 Kit is the answer. Includes C12-NF 12-inch FLEXAIR® woofer; P8-UM 8-inch mid-channel; RP-103B compression driver tweeter; H-F control; crossover network; wiring cable and full instructions for enclosure construction and installation. Impedance 16 ohms. Power Rating 30 watts. Shipping Weight, 19 1/2 lbs.

KT-33 Speaker Kit.....\$112.50

HOW TO DESIGN SPEAKER ENCLOSURES

A properly designed "acoustic enclosure" or loudspeaker cabinet is essential if the full performance capability of your loudspeaker system is to be realized—especially at the low frequency end of the music scale. Jensen factory-built loudspeaker systems are installed in high-styled furniture cabinets with properly designed "acoustic enclosures". But many music lovers may prefer to purchase separate loudspeaker units and to install them into cabinets of their own design so as to match other furniture, or to fit into available spaces or existing furniture pieces, or to achieve significant cost savings. Fine furniture is expensive and requires specialized tools, skills and finishing techniques. But the basic "acoustic enclosure" required for the finest acoustical performance is simple in design and in construction. With the aid of the accompanying drawing and tables you can easily design an excellent "acoustic enclosure" that will insure maximum performance of your loudspeaker system—fully equal to the factory-built system. Except for the few cases indicated below, the tube vented enclosure will give the best possible results. The illustration below shows the simplicity of this enclosure. The loudspeaker is attached to the front face of the enclosure around the baffle cutout so as to radiate directly into the listening area. A tube vent is also installed in the front face to "tune" the chamber and the loudspeaker thus using the inside or back-side radiation of the loudspeaker to maximum advantage.

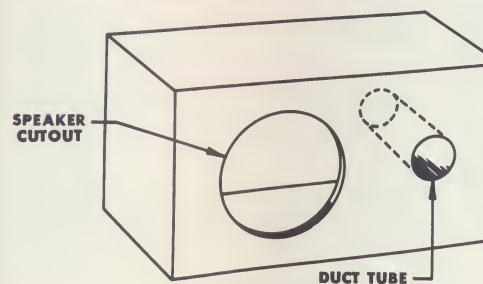


TABLE II—Duct Tube Length or Port Area Required for Desired Enclosure Size.

Volume Cu. Ft.	Loudspeaker Free-Air Resonant Frequency, Cycles Per Second											
	15	20	25	30	35	40	45	50	60	70	80	
1.5	Closed	Closed	(T2) 7 1/4"	(T2) 4 1/4"	(T2) 2 3/4"	(T3) 5 1/2"	(T3) 3 3/4"	(T3) 2 1/4"	(T5) 4 3/4"	11 sq. in.	17 sq. in.	
2.0	Closed	(T2) 8 3/4"	(T2) 5"	(T2) 3"	(T3) 5 1/4"	(T3) 3 3/4"	(T3) 2 1/4"	(T5) 5 1/2"	11 sq. in.	18 sq. in.	28 sq. in.	
2.5	Closed	(T2) 6 3/4"	(T2) 3 3/4"	(T3) 5 1/4"	(T3) 3 3/4"	(T3) 2 1/4"	(T5) 7 1/2"	(T5) 3 3/4"	16 sq. in.	26 sq. in.	41 sq. in.	
3.0	(T2) 11"	(T2) 5 1/4"	(T2) 2 3/4"	(T3) 4 1/4"	(T5) 8 1/4"	(T5) 5 1/4"	(T5) 3 3/4"	13 sq. in.	20 sq. in.	35 sq. in.	60 sq. in.	
3.5	(T2) 8 3/4"	(T2) 4 1/4"	(T3) 6"	(T3) 3 1/2"	(T5) 7 1/2"	(T5) 4 1/2"	10 sq. in.	16 sq. in.	29 sq. in.	46 sq. in.	80 sq. in.	
4.0	(T2) 7 3/4"	(T2) 3 3/4"	(T3) 5"	(T5) 9 1/4"	(T5) 5 3/4"	(T5) 3 3/4"	13 sq. in.	18 sq. in.	35 sq. in.	58 sq. in.	96 sq. in.	
5.0	(T2) 5 3/4"	(T3) 7 1/4"	(T3) 3 3/4"	(T5) 6 1/4"	(T5) 3 3/4"	13 sq. in.	20 sq. in.	29 sq. in.	50 sq. in.	90 sq. in.	Closed	
6.0	(T2) 4 3/4"	(T3) 5 3/4"	(T5) 8 3/4"	(T5) 4 3/4"	11 sq. in.	18 sq. in.	26 sq. in.	39 sq. in.	75 sq. in.	Closed	Closed	
8.0	(T3) 8"	(T3) 3 3/4"	(T5) 5 1/2"	11 sq. in.	18 sq. in.	28 sq. in.	43 sq. in.	62 sq. in.	Closed	Closed	Closed	

Duct tubes available by number—50c each. T2, 2" I.D.x2 1/4" O.D.x12" L.; T3, 3" I.D.x3 1/4" O.D.x7 1/4" L.; T5, 4 1/4" I.D.x5" O.D.x10" L.

TABLE I—Resonant Frequency of Jensen Loudspeakers.

Model Number	Resonance cps	Max. O.D.	Baffle Cutout Dia.	Mtg. Bolt Circle Dia.
G-600	35	15 1/4"	13 1/4"	14 1/8"
G-610B	50	15 1/4"		
P15-LF	15	15 1/4"		
C12-NF (KT-33)	20	12 1/4"		
DL-120	40	12 1/4"	10 1/2"	11 1/8"
DL-220	25	12 1/4"		
P12-RL	60	12 1/4"		
C12-RX	60	12 1/4"		
C12-SX	60	12 1/4"		
SG-210	40	12 1/4"		
SG-220	40	12 1/4"		
SG-222	50	12 1/4"		
SG-223	25	12 1/4"	8 3/4"	9 1/4"
SG-300	25	12 1/4"		
C10-PF (KTF-3A)	30	10 1/2"		
C10-SX	70	10 1/2"		
DL-80	60	8 1/8"	6 3/4"	7 3/8"
P8-QF	45	8 1/8"		
P8-RL	60	8 1/8"		
C8-RX	80	8 1/8"		
C8-SX	80	8 1/8"		
SG-80	50	8 1/8"		
SG-84	50	8 1/8"		
SG-88	60	8 1/8"		

Construction must be rigid with bracing added when necessary so that no panels are "drummy" or resonant when thumped with the fist. All joints must be airtight—use plenty of glue and wood screws. Add caulking material such as linoleum cement to achieve an airtight seal. Felt or rubber gaskets are desirable to seal any removable panels.

Look in Table I for the Jensen loudspeaker you plan to use. Opposite this listing you will find the correct baffle cutout diameter, the mounting bolt circle diameters, and the free-air resonant frequency of the loudspeaker. Now look in Table II in the column headed by the resonant frequency of your speaker for the correct tube vent and its length, opposite the interior volume of the enclosure you plan to use. The footnotes show the dimensions of the vent tube required; the O.D. dimension is the size of the hole to be cut in the front panel of your enclosure to accommodate this vent tube. Cut the tube to length with a hacksaw.

It is a good idea to coat the interior of your enclosure with shellac or other sealer to prevent splitting and shrinking. Open weave plastic fiber grille cloth material is suggested; a coating of non-gloss black paint on the front panel of the cabinet will effectively camouflage the speaker opening. Line all interior faces of the acoustic chamber (except the front panel) with glass fiber insulation about 2" thick; fasten with large head tacks or staples using cardboard discs if desired.



These unique stereo headphones bring an exciting new dimension to your favorite mono or stereo recordings. You'll marvel at the smooth, full range, undistorted output. Comfortable to wear, easy to listen to.

HS-2 STEREO HEADPHONES

Soft foam cushions provide feather weight comfort and preserve the undistorted bass response without pressure. Add pleasure to your personal stereo listening. Refer to Page 13 for a complete description.

INFORMATION

The Jensen Technical Service Department provides a consulting service on your individual inquiries in connection with the use of any Jensen product. We are happy to assist you in planning your high fidelity system. There is no charge or obligation of any kind. Address your inquiry to TECHNICAL SERVICE DEPARTMENT.



JENSEN | MANUFACTURING DIVISION
THE MUTER COMPANY

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